

Coulometric determination of oxygen dissolved in polar organic compounds with electrogenerated copper(I) ions

Abdullin I., Budnikov G., Filyushina S., Bakanina Y.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The possibility of using coulometry for determining the oxygen dissolved in some organic solvents was studied. The conditions were selected and the method was developed for determining oxygen dissolved in polar solvents readily miscible with water. Determinations were performed in 1 M NH_3 + 1 M NaClO_4 + 0.01 M EDTA aqueous solutions using copper(I) ions electrogenerated from a metal electrode. © 1998 MAEe Cyrillic signK Hayka/Interperiodica Publishing.
